

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"6602346".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 09:01
S2	2	U5-579,269 U5-3,618,919 U5-3,620,934 U5-3,630,881 U5-3,630,769 U5-3,634,212 U5-4,018,949 U5-4,242,182 U5-4,269,625 U5-4,289,061 U5-4,397,753 "6602346".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 13:07
S3	180	"579,269" "3,618,919" "3,620,934" "3,630,881" "3,630,769" "3,634,212" "4,018,949" "4,242,182" "4,269,625" "4,289,061" "4,397,753"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 13:20
S4	34	"579269".pn. "3618919".pn. "3620934".pn. "3630881".pn. "3630769".pn. "3634212".pn. "4018949".pn. "4242182".pn. "4269625".pn. "4289061".pn. "4397753".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 13:35
S5	2	"20050039686"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 12:15
S6	0	("US-4,438,724").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 09:34
S7	4	("4,438,724").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 09:34

## EAST Search History

S8	170	((("579,269") or ("3,618,919") or ("3,620,934") or ("3,630,881") or ("3,630,769") or ("3,634,212") or ("4,018,949") or ("4,242,182") or ("4,269,625") or ("4,289,061") or ("4,397,753") or ("4,438,724") or ("4,469,801") or ("4,545,136") or ("4,590,042") or ("4,681,777") or ("4,826,579") or ("4,948,979") or ("4,949,669") or ("4,966,646") or ("4,977,106") or ("5,076,205") or ("5,091,207") or ("5,131,752") or ("5,136,975") or ("5,172,849") or ("5,200,023") or ("5,223,113") or ("5,232,749") or ("5,248,527") or ("5,364,219") or ("5,377,429") or ("5,380,396") or ("5,409,129") or ("5,418,180") or ("5,427,666") or ("5,433,835") or ("5,445,491") or ("5,480,818") or ("5,498,292") or ("5,500,256") or ("5,522,934") or ("5,536,317") or ("5,562,800") or ("5,589,002") or ("5,592,581") or ("5,595,606") or ("5,599,513") or ("5,624,498") or ("5,626,936") or ("5,640,751") or ("5,643,394") or ("5,654,589") or ("5,693,288") or ("5,729,896") or ("5,746,434") or ("5,766,364") or ("5,769,952") or ("5,788,778") or ("5,792,700") or ("5,792,269") or ("5,820,641") or ("5,827,370") or ("5,833,888") or ("5,846,330") or ("5,846,275") or ("5,851,849") or ("5,865,417") or ("5,879,459") or ("5,895,530") or ("5,908,947") or ("5,932,286") or ("5,953,634") or ("5,956,613") or ("5,968,587") or ("5,972,430") or ("5,994,181") or ("5,997,588"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 09:48
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## EAST Search History

S9	217	("6,008,086") or ("6,032,923") or ("6,042,652") or ("6,045,620") or ("6,059,885") or ("6,062,256") or ("6,070,551") or ("6,080,446") or ("6,079,426") or ("6,086,677") or ("6,089,543") or ("6,109,206") or ("6,123,107") or ("6,129,331") or ("6,139,700") or ("6,143,659") or ("6,143,077") or ("6,143,078") or ("6,144,060") or ("6,149,123") or ("6,160,243") or ("6,161,500") or ("6,174,366") or ("6,174,377") or ("6,174,809") or ("6,173,673") or ("6,178,660") or ("6,182,603") or ("6,192,827") or ("6,194,628") or ("6,193,802") or ("6,197,119") or ("6,200,415") or ("6,203,613") or ("6,206,972") or ("6,211,078") or ("6,211,033") or ("6,210,754") or ("6,214,714") or ("6,237,394") or ("6,237,529") or ("6,245,192") or ("6,255,222") or ("6,263,829") or ("6,270,572") or ("6,280,584") or ("6,287,980") or ("6,287,965") or ("6,291,337") or ("6,290,491") or ("6,297,539") or ("6,302,964") or ("6,302,965") or ("6,303,953") or ("6,305,314") or ("6,309,161") or ("6,315,859") or ("6,329,297") or ("6,342,277") or ("6,346,477") or ("6,347,602") or ("6,347,918") or ("6,355,561") or ("6,358,323") or ("6,374,831") or ("6,387,185") or ("6,387,207") or ("6,420,230") or ("6,419,462") or ("6,420,742") or ("6,428,859") or ("6,432,831") or ("6,432,259") or ("6,432,256") or ("6,435,865") or ("6,444,039") or ("6,450,117") or ("6,451,119") or ("6, 458,416") or ("6,461,931") or ("6, 461,436") or ("6,503,330") or ("6, 506,254") or ("6,509,280") or ("6, 534,395") or ("6,534,007") or ("6, 549,838") or ("6,541,353") or ("6, 551,929") or ("6,562,140") or ("6, 562,141") or ("6,573,184") or ("6, 579,372") or ("6,579,374") or ("6, 596,085") or ("6,602,346") or ("6, 630,201") or ("6,635,965") or ("6, 638,879") or ("6,638,672") or ("6, 641,673") or ("6,673,196") or ("6, 704,913") or ("6,706,334") or ("6, 705,345") or ("6,818,249") or ("6, 821,347") or ("6,838,114") or ("6, 861,094").PN. or ((2001/0010309) or (2001/0011526) or (2001/0024387) or (2001/0029892) or (2001/0045187) or (2001/0054484) or (2002/0007790)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 12:14
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## EAST Search History

S10	327	156/345.33.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 13:12
S11	3059	156/345.23.ccls. "156345"" "38". ccls. 156/345.51.ccls. 118/728.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 13:16
S12	199	156/345.23.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 13:29
S13	2696	118/728.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 16:08
S14	0	".3."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 16:32
S15	4020	118/725.ccls. 206/832.ccls. 219/444.1.ccls. 392/416.ccls. 392/418.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 17:46
S16	27174	(boat and gas)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/05 08:07
S17	282	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 17:47
S18	4112	boat and gas	EPO; JPO; DERWENT	OR	ON	2005/10/04 08:17

## EAST Search History

S19	148	S18 and plasma	EPO; JPO; DERWENT	OR	ON	2005/10/04 10:08
S20	278235	plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 12:52
S21	23037	boat and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:17
S22	3208	S20 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:13
S23	3208	S21 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:17
S24	853	S23 and gas near3 (supply inlet pipe conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:14
S25	9380	boat same gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:17
S26	1140	S25 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:22
S27	233	S26 and ("118"/\$.ccls. 156/345.\$2. ccls. "204"/\$.ccls. "315"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 10:59
S28	25	S27 and (boat near3 gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 11:00
S29	23037	boat and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 12:53
S30	838	S29 and gas near1 (pipe conduit nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:01
S31	838	S30 and boat	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 12:58
S32	528	S30 and (support susceptor holder chuck)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 12:59
S33	528	S30 and (support susceptor holder chuck)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 12:59
S34	278235	plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:01

## EAST Search History

S35	29371	(gas near (pipe conduit nozzle)) same (connect\$3 support\$3 carr\$3 attach\$3 join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:14
S36	2033	S34 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:04
S37	1439	S36 and (support susceptor holder chuck boat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:06
S38	8442	(gas near (pipe conduit nozzle)) near3 (connect\$3 support\$3 carr\$3 attach\$3 join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:06
S39	629	S34 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:06
S40	431	S39 and (support susceptor holder chuck boat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 15:42
S41	23	S39 and boat	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:10
S42	99	(gas near (pipe conduit nozzle)) near1 (boat support holder susceptor)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:15
S43	2	(gas near (pipe conduit nozzle)) near1 (substrate wafer workpiece) near4 (boat support holder susceptor)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 13:18
S44	1	"20050039686"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:24
S45	892	(LINGYI NEAR ZHENG).IN. (trung near doan).in. (lyle near breiner).in. (er-xuan near ping).in. (ronald near weimer).in. (david near kubista).in. (kevin near beaman).in. (cem near basceri).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:27
S46	119	S45 and (holder near (workpiece substrate wafer))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:41
S47	13816	(micron near technology).as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:41
S48	3352	S47 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:41

## EAST Search History

S49	195	S48 and (holder near (workpiece substrate wafer))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 18:42
S50	2	"20040163762"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/05 08:08
S51	77	("5017404" "4593644" "5433787" "5819683" "5902403" "6022483" "6143078" "6207937" "6277763" "6328803" "6364219" "6402806" "6415736" "6435865" "6663713" "6807971" "6849131" "6666982" "6881295" "6814813" "6770145" "6622104" "6425168" "6402849" "6383300" "6334928" "6294394" "6273954" "6159298" "6113698" "6006694" "5866986" "5769950" "5325020" "4313783").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 11:16
S52	7	"20010012697" "20030037730" "20040238123" "20050217582" "20050016956" "20040089240" "20010050267"	US-PGPUB; USPAT	OR	ON	2006/03/10 11:20
S53	2	JP-982650-\$.did. JP-6320490-\$.did. JP-10223719-\$.did. JP-4100533-\$. did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 11:22
S54	2	JP-0982650-\$.did. JP-6320490-\$. did. JP-10223719-\$.did. JP-4100533-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 11:23
S55	0	JP-0982650-\$.did. JP-6320490-\$. did. JP-4100533-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:00
S56	89	206/832.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/10 12:02
S57	28	S56 and gas	US-PGPUB; USPAT	OR	ON	2006/03/10 12:25
S58	61	S56 not S57	US-PGPUB; USPAT	OR	ON	2006/03/10 12:31

## EAST Search History

S59	37	gas near2 ((substrate wafer) near2 ((support holder) and plural\$3))	US-PGPUB; USPAT	OR	ON	2006/03/10 12:33
S60	75335	(substrate wafer) near3 (holder support boat)	US-PGPUB; USPAT	OR	ON	2006/03/10 13:25
S61	868	(gas near2 (distribut\$3 dispens\$4)) near4 (holder support)	US-PGPUB; USPAT	OR	ON	2006/03/10 13:27
S62	706	(gas near2 (distribut\$3 dispens\$4)) near3 (holder support)	US-PGPUB; USPAT	OR	ON	2006/03/10 13:53
S63	366	S62 and ("118"/\$.ccls. 156/345.\$2. ccls. "204"/\$.ccls. "216"/\$.ccls. "219"/\$.ccls. "427"/\$.ccls. "438"/\$. ccls. "315"/\$.ccls. "333"/\$.ccls. "206"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2006/03/10 14:08
S64	205	(gas near2 (distribut\$3 dispens\$4)) near3 (boat transport\$5)	US-PGPUB; USPAT	OR	ON	2006/03/10 14:09
S65	2	"5020476".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 14:07
S66	1	S65 and ("118"/\$.ccls. 156/345.\$2. ccls. "204"/\$.ccls. "216"/\$.ccls. "219"/\$.ccls. "427"/\$.ccls. "438"/\$. ccls. "315"/\$.ccls. "333"/\$.ccls. "206"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2006/03/10 14:08
S67	66	S64 and (substrate wafer)	US-PGPUB; USPAT	OR	ON	2006/03/10 17:49
S68	1	"5017404".pn.	US-PGPUB; USPAT	OR	ON	2006/03/10 17:49
S69	4495	118/715,728.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/23 12:16
S70	3587	S69 and @ad<"20030821"	US-PGPUB; USPAT	OR	ON	2006/08/23 12:17
S71	558	S70 and ((gas near3 (pipe\$2 tub\$3 conduit\$2)) and (plural\$3 near4 (wafer\$2 substrate\$2 support\$2 holder\$2)))	US-PGPUB; USPAT	OR	ON	2006/08/23 14:02
S72	19	("4573431"   "4593644"   "4911638").PN. OR ("5020476"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 13:00
S73	31	S70 and (wafer near3 (boat carrier support holder)) near6 (gas near3 (pipe\$2 tub\$3 conduit\$2)) and (plural\$3 near4 (wafer\$2 substrate\$2))	US-PGPUB; USPAT	OR	ON	2007/02/02 14:38



## EAST Search History

S74	1	"4108106".pn.	US-PGPUB; USPAT	OR	ON	2006/08/23 15:50
S75	2	"4911638".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 16:05
S76	27	(((wafer substrate) with (boat carrier support holder)) with (gas near3 (pipe\$2 tub\$3 conduit\$2)) with (internal\$3 inside within)).clm.	US-PGPUB; USPAT	OR	ON	2007/02/02 16:13
S77	33	("3637434"   "4123316"   "4225222"   "4298443").PN. OR ("4422407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 15:46
S78	622	414/935.ccls.	US-PGPUB; USPAT	OR	ON	2007/02/02 16:13
S79	101693	S78 (gas near3 (tube pipe))	US-PGPUB; USPAT	OR	ON	2007/02/02 16:14
S80	37	S78 and (gas near3 (tube pipe))	US-PGPUB; USPAT	OR	ON	2007/02/02 16:14
S81	21	bessot.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 09:01
S82	33	("3637434"   "4123316"   "4225222"   "4298443").PN. OR ("4422407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/05 09:02